Fall 2012 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2058 Reclamation District No. 2058	Overall LMA Rating	Total LMA Miles						
Pescadaro	Α	6.71						
Rated Item		Maintena						k System scence
Rateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.06		0.06	0.89%				
Encroachments	0.01		0.01	0.15%		0.02		
Animal Control	0.01		0.01	0.15%				
Supplemental								
DWR Erosion Survey	0.05		0.05	0.75%				
LMA Totals:	0.13	0.00	0.13	1.94%	0.00	0.02	0.00	0.00

LMA District Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2058 Pescadaro

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)					
* Overall LMA Rating (Fall Only)			A						
	** Non-receipt of Su	ımmer or Winter Inspe	ection Reports may effec	et overall annual rating					
* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.									
<u>FALL INSPECTIONS:</u> The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.									
Comments									

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles
Unit No. 01 Paradise Cut	Left	6.71

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			Α	
Date of Inspection	03/28/2012 - 03/28/2012		11/06/2012 - 11/06/2012	
DWR Inspector	Jim Eto		Maksim Khashchuk	
Accompanied By	Greg Pombo		Greg Pombo	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

LMR	Levee	Mile	Catagoni	Itom	Rating ** + Location **	Astion/Commont	GPS Latitude/	Longitude	Issue No.
No.	Start	End	Category	Item	Rating ** + ocation	Action/Comment	Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	WS A Ma		0	0	70
_							DWR ID: DWR_RD20		
2			Earthen Levee	Emergency Supplies & Equipment	WS A Ma		0	0	Y
							DWR ID: DWR_RD20	58_01_s _ 2012_	_76
3			Earthen Levee	Flood Preparedness & Training	WS A Ma	Inspector Comments: Written action plan was presented to me along with supporting documentation (phone list, contacts, etc.).	0	0	77
							DWR ID: DWR_RD20	58_01_s _ 2012	_77
4	0.42	0.42	Earthen Levee	Vegetation	WS M	V2: Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Thick vegetation at this point, needs to be removed.	37.803813 ° 3 -121.415578 ° -12	37.803813 ° 21.415578 °	
							DWR ID: DWR_RD20	58_01_s _ 2012	_8
5	0.73	0.73	Earthen Levee	Encroachments	LS A/W Ma	PI : Pipe	37.801952 ° 3 -121.411002 ° -12 DWR ID: DWR_RD20		
6	0.96	0.96	Earthen Levee	Encroachments	LS M Ma	PR : Prunings	37.801428 ° 3 -121.406495 ° -12 DWR ID: DWR_RD20		
7	1.24	1.24	Earthen Levee	Encroachments	CR A/W Ma	PI : Pipe	37.802314 ° 3 -121.401984 ° -12 DWR ID: DWR_RD20		Υ
8	1.69	1.72	Earthen Levee	Vegetation	WS M Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Removal of this type of vegetation is currently prohibited by FWS.	-121.394169 ° -12		
							DWR ID: DWR_RD20	58_01_s _ 2012_	_961

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

				Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01 Paradise Cut Left 6.71								11/06/2012 11/06/2012	Maksim Khashchuk
LMR No.	Levee	Mile End	Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
9	2.15		Supplementa	al DWR Erosion Survey	WS M Ma	Inspector Comments: 07/31/2012: Site of 07/26/2012. No significant change obsevertical pipe was installed and concrete site. Dense vegetation around the site. Neaks or spill from the siphon breaker. 09/02/2011: Site was not visited due to to 09/22/2010: No significant changes obse downstream, upstream and on the lower have been recently sprayed. These area fenced off during the site visit, making it examine the condition of the lower slope spill from the siphon breaker is creating slope and devloping into a headward erroproblem continues, it will erode the slope the pipe to outside elements. 07/23/2009: A possible leak or spill from is eroding the slope and developing into erosion; a portion of the buried pipe is eslope seems to be lined with chunks of other rock material. [2012 Site ID:RD208]	rved. A noblocks le No signs of the time liferved. Ver slope of as were a difficult for the control of the and full a siphor a headwayposed; the concrete	ew ft on the of new imit. egetation the site lso or us to e leak or along the he y expose n breaker ard he lower debris or		7.803769° 1
10	2.15	2.15	Earthen Levee	Encroachments	CR A/W Ma	PI : Pipe			37.803910 ° 37 -121.386295 ° -12 DWR ID: DWR_RD205	
11	2.42	2.42	Earthen Levee	Vegetation	LS A/W Ma	V4 : Elderberries are blocking visibility a capability. Inspector Comments: Elderberry growin			37.802782 ° 37 -121.381413 ° -12 DWR ID: DWR_RD205	
12	2.64	2.64	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability. Inspector Comments: Elderberry on wat		_	37.801962 ° 37121.377684 ° -12	
13	2.66	2.66	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability.	nd flood			7.801876 ° 64 1.377291 °
14	2.67	2.67	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability.	nd flood		37.801823 ° 37 -121.377068 ° -121	
15	2.76	2.76	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability.	nd flood		37.801497 ° 37 -121.375586 ° -121 DWR ID: DWR_RD205	
16	2.89	2.89	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe			37.800894 ° 37 -121.373135 ° -12 DWR ID: DWR_RD205	
17	3.41	3.41	Earthen Levee	Encroachments		PI : Pipe Inspector Comments: Drainage discharg	је.		37.796421 ° 37 -121.366254 ° -12 DWR ID: DWR_RD205	
18	3.57	3.57	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability.	nd flood t		37.794396 ° 37 -121.364944 ° -12 DWR ID: DWR_RD205	
LS WS CF	cation 3: Land 9 3: Water 3: Crown	Side	03, 2013 09:	Rating A: Acceptable M: Minimally Acceptabl U: Unacceptable 47	e C:C	Hot Inspected/Rated Acceptable but Monitor & Maintenanc Ob : Design & S En : Enforcement FINAL DATA	ystem Obso			Page 2 of 12

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

	Waterway						Bank	Unit Miles	Inspection Start/End	Inspec	tor
	Unit No. 01 Paradise Cut						Left	6.71	11/06/2012 11/06/2012	Maksi Khasho	
LMR No.	Levee	Mile End	Category	Item	Rating ** + Location **	Action/Comment			GPS Latitude	e/Longitude End	No.
19	3.76	3.76	Earthen Levee	Vegetation	WS M Ma	V4 : Elderberries are blocking visibility a capability. Inspector Comments: Flagged bushes of and access		-	37.791856 ° 121.363514 ° -′		
20	3.77	3.77	Earthen Levee	Vegetation	WS C	V4 : Elderberries are blocking visibility a capability. Inspector Comments: Removal of this ty is currently prohibited by FWS.		<u> </u>		37.791745 ° 121.363553 °	939
21	3.85	3.85	Earthen Levee	Vegetation	WSA/W Ob	V8 : Environmental Requirements. Inspector Comments: Revegetation site		-	37.790807 ° 121.362905 ° - 2	37.790807 ° 121.362905 °	20 Y
22	4.01	4.01	Earthen Levee	Vegetation	LS M Ma	V4 : Elderberries are blocking visibility a capability. Inspector Comments: Elderberry on land		-	121.361042 ° -	121.361042 °	Υ
23	4.01	4.01	Earthen Levee	Vegetation	WSA/W Ma	V4 : Elderberries are blocking visibility a capability.	nd flood f	ight -	37.789096 ° 121.360966 ° -4	37.789096 ° 121.360966 °	69
24	4.36	4.36	Earthen Levee	Vegetation	WSA/W Ma	V4 : Elderberries are blocking visibility a capability.	nd flood f		37.789794° 121.354883° -′ DWR ID: DWR_RD		
25	4.49	4.53	Supplementa	DWR Erosion Survey	WS M Ma	Inspector Comments: 07/26/2012: The sixided, and no significant change has be 09/02/2011: This site was not visited during the procession of the procession of the provided that the lower be considered and approximately 10 feet. There was no independent on site during the site visit. 08/05/2010: Recommended for annual amonitoring of site during flood events, procession on site during flood events, procession on site during flood events, procession on site during flood events, procession of site during flood events, proces	een obsere to the tirerved. Mirerved. Mirerved. Mirerved. Mirerved. Two and bench found to be the tirerved of the transfer of	rved me limit. nor large . The be active ent and t visit; of erosion e # is the	37.789810 ° 121.352490 ° -		2 Y
26	5.16	5.16	Earthen Levee	Encroachments	LS U En	RA: Ramp Inspector Comments: New Ramp construction of ramp reson the landside of the levee. 2/21/2012, that he will contact the CVFPB to resolv	ults in a n owner ha	new pond is said	DWR ID: 000 000 000 000 000 000 000 000 000 0		Y
L W	ocation .S:Land S /S:Water :R:Crown	Side		Rating A: Acceptable M: Minimally Acceptabl U: Unacceptable	e C:C	+ Issue Type lot Inspected/Rated	ystem Obsol				

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

LMR No.	Levee	Mile End	Category	Item	Rating ** + Location **	Action/Comment	GPS Latitud	le/Longitude End	Issue No. Photo
27	5.37	5.37	Earthen Levee	Encroachments	LS U En	RA: Ramp Inspector Comments: Ramp constructed to dairy. Raised ramps, see issue 29 are creating new holding ponds for dairy at levee toe.	37.782268 ° -121.342257 °	37.782268 ° -121.342257 °	
							DWR ID: DWR_R	D2058_01_s _ 2012_	_30
28	6.06	6.06	Earthen Levee	Animal Control	WS M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.775015 ° -121.335233 ° DWR ID: DWR_RI	37.775015 ° -121.335233 ° D2058_01_f _ 2012_	Υ

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	2						
Start Levee Mile							
End Levee Mile							
Location	Land Side						
Category	Earthen Levee						
Item	Emergency Supplies & Equipment						
View of flood fight supplies.							

mkhashch_f_20121119_780.JPG

Levee Mile Report Line	4		
Start Levee Mile	0.42		
End Levee Mile	0.42		
Location	Water Side		
Category	Earthen Levee		
Item	Vegetation		
11/00/0011 = 11.11			

11/08/2011 Thick brush in this area needs to be taken back to 20' from hinge point.

mkhashch_f_20120927_657.jpg

IIIKIIa3IICII_I_20120321_031.jpg		
Levee Mile Report Line	5	
Start Levee Mile	0.73	
End Levee Mile	0.73	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of discharge pipe on landside slope.		







Location LS: Land Side WS : Water Side CR : Crown

mkhashch_f_20121119_781.JPG

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	6	
Start Levee Mile	0.96	
End Levee Mile	0.96	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of prunings on landside slope.		

mkhashch_f_20121119_782.JPG

Levee Mile Report Line	7
Start Levee Mile	1.24
End Levee Mile	1.24
Location	Crown
Category	Earthen Levee
Item	Encroachments
D : !: ! D	" O I

Drainage discharge to Paradise Cut.

mkhashch_f_20120927_660.jpg

Levee Mile Report Line	9
Start Levee Mile	2.15
End Levee Mile	2.15
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
1	

Close look at the site. Note the concrete blocks and vegetation.

SJR2012_RD2058U01RM1.78_1.jpg







Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	9	
Start Levee Mile	2.15	
End Levee Mile	2.15	
Location	Water Side	
Category	Supplemental	
Item	DWR Erosion Survey	
Direct view of sinhon breaker		

Direct view of siphon breaker.

SJR2012_RD2058U01RM1.78_2.jpg

Levee Mile Report Line	10
Start Levee Mile	2.15
End Levee Mile	2.15
Location	Crown
Category	Earthen Levee
Item	Encroachments

Drainage discharge to Paradise Cut.

mkhashch_f_20120927_661.jpg

Levee Mile Report Line	11	
Start Levee Mile	2.42	
End Levee Mile	2.42	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
03/28/2012 Large elderberry bush on landside slope.		

mkhashch_f_20120927_658.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	12	
Start Levee Mile	2.64	
End Levee Mile	2.64	
Location	Water Side	
Category	Earthen Levee	
Item	Vegetation	
03/28/2012 Large elderberry bush located on waterward slope.		

Levee Mile Report Line	16
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Irrigation intake from Paradise Cut.

mkhashch_f_20120927_662.jpg

mkhashch f 20120927 668.jpg

Levee Mile Report Line	21		
Start Levee Mile	3.85		
End Levee Mile	3.85		
Location	Water Side		
Category	Earthen Levee		
Item	Vegetation		
11/08/2011 Revegetation site, cannot trim or cut vegetation in this area.			







mkhashch_f_20120927_659.jpg

** Rating

A : Acceptable

M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

: Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	22	
Start Levee Mile	4.01	
End Levee Mile	4.01	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
Elderberry bushes on landside slope.		

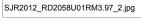
mkhashch_f_20121119_783.JPG

Levee Mile Report Line	25
Start Levee Mile	4.49
End Levee Mile	4.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view at a pocket erosion site. Vegetation has developed and covered the erosion.

SJR2012_RD2058U01RM3.97_1.jpg

Levee Mile Report Line	25	
Start Levee Mile	4.49	
End Levee Mile	4.53	
Location	Water Side	
Category	Supplemental	
Item	DWR Erosion Survey	
Direct view at a the erosion near a tree		









N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	25		
Start Levee Mile	4.49		
End Levee Mile	4.53		
Location	Water Side		
Category	Supplemental		
Item	DWR Erosion Survey		
Direct view at a the erosion near a tree			
2.1.00t 1.011 at a 1.10 0.00t	o		
	o		

Levee Mile Report Line	25
Start Levee Mile	4.49
End Levee Mile	4.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view at a the erosion near a tree

SJR2012_RD2058U01RM3.97_4.jpg

SJR2012_RD2058U01RM3.97_3.jpg

Levee Mile Report Line	26
Start Levee Mile	5.16
End Levee Mile	5.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments

11/08/2011 New ramp has been constructed by Dairy farmer connecting his barns to the levee.

mkhashch_f_20120927_664.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

: Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	26	
Start Levee Mile	5.16	
End Levee Mile	5.16	
Location	Land Side	
Category	ory Earthen Levee	
Item	Encroachments	
11/08/2011 New ramp has been constructed by		

Dairy farmer connecting his barns to the levee.

mkhashch_f_20120927_665.jpg

26
5.16
5.16
Land Side
Earthen Levee
Encroachments

Completed new ramp constructed by Dairy farmer connecting his barns to the levee.

mkhashch_f_20121119_784.JPG

Levee Mile Report Line	27	
Start Levee Mile	5.37	
End Levee Mile	5.37	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
11/08/2011 Photo shows existing middle ramp to		

11/08/2011 Photo shows existing middle ramp to the levee which has been raised.

mkhashch_f_20120927_666.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not

N : Not Inspected/Rated C : Corrected W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	11/06/2012 11/06/2012	Maksim Khashchuk

Levee Mile Report Line	27	
Start Levee Mile	5.37	
End Levee Mile	5.37	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
11/08/2011 Photo shows view from the levee looking to the left of the middle ramp.		

mkhashch_f_20120927_667.jpg

Levee Mile Report Line	27
Start Levee Mile	5.37
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Completed new ramp constructed by Dairy farmer connecting his barns to the levee.

mkhashch_f_20121119_785.JPG

Levee Mile Report Line	28	
Start Levee Mile	6.06	
End Levee Mile	6.06	
Location	Water Side	
Category	Earthen Levee	
Item	Animal Control	
View of rodent burrows on waterside slope.		

mkhashch_f_20121119_786.JPG





